

RB095B-30

General rectification

- 1) Power mold type. (CPD)
- 2) Low V_F
- 3) High reliability

Silicon epitaxial planar

[illegible]

Technical drawing of a 10-pin connector. The drawing shows a side view of the connector with dimensions in millimeters. Key dimensions include:

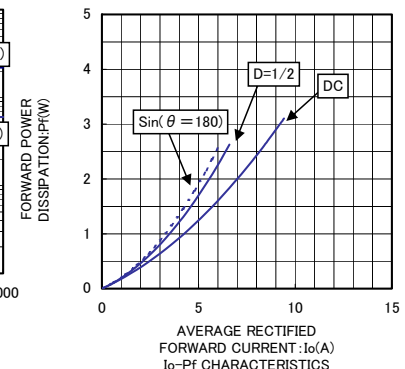
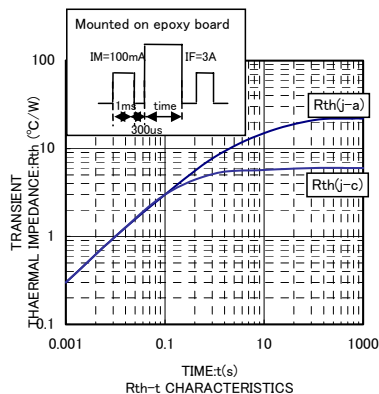
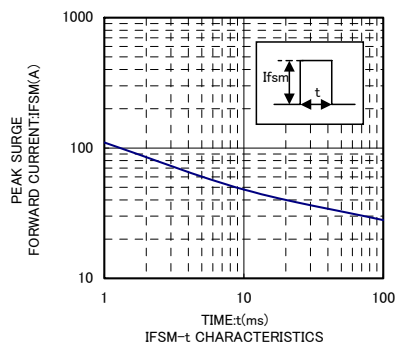
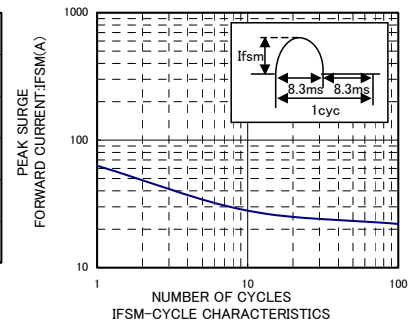
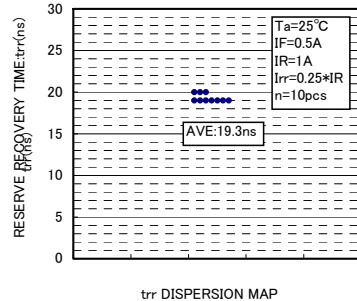
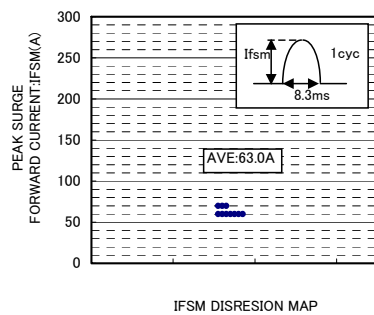
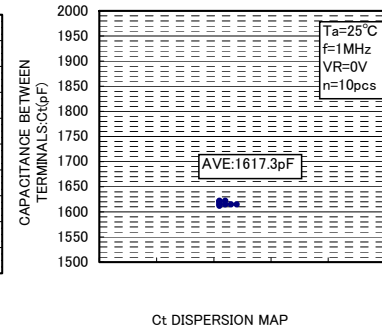
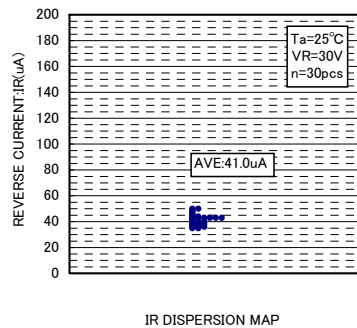
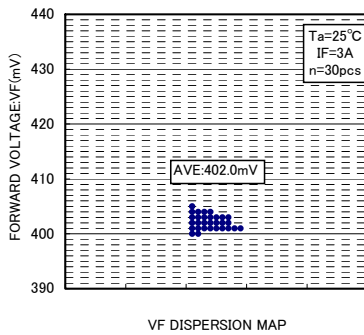
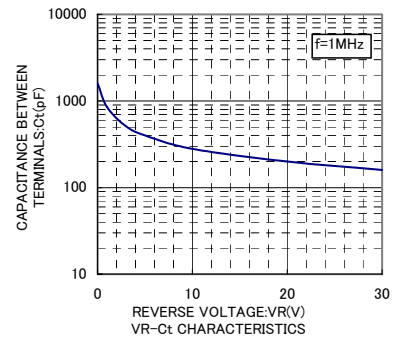
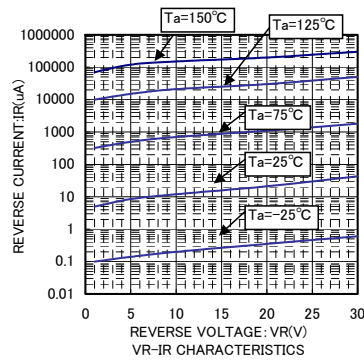
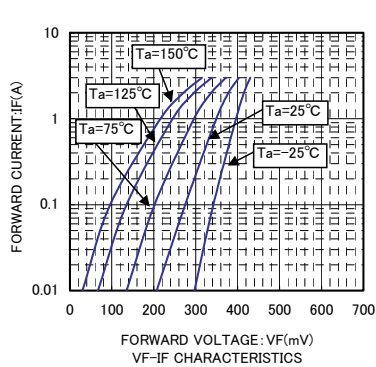
- Pin pitch: 2.0 ± 0.05
- Pin diameter: $\phi 1.55 \pm 0.1$
- Pin length: 10.1 ± 0.1
- Pin spacing (center to center): 4.0 ± 0.1 and 8.0 ± 0.1
- Pin diameter (bottom view): $\phi 3.0 \pm 0.1$
- Pin diameter (top view): $\phi 4.0 \pm 0.1$
- Pin diameter (bottom view, right side): 2.7 ± 0.2
- Pin diameter (bottom view, left side): 6.8 ± 0.1
- Pin diameter (bottom view, right side): 13.5 ± 0.2
- Pin diameter (bottom view, left side): 7.5 ± 0.05
- Pin diameter (bottom view, right side): 16.0 ± 0.2
- Pin diameter (bottom view, left side): 2.5 ± 0.1

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	35	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current (*1)	I_o	6	A
Forward current surge peak (60Hz·1cyc) (*1)	I_{FSM}	35	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

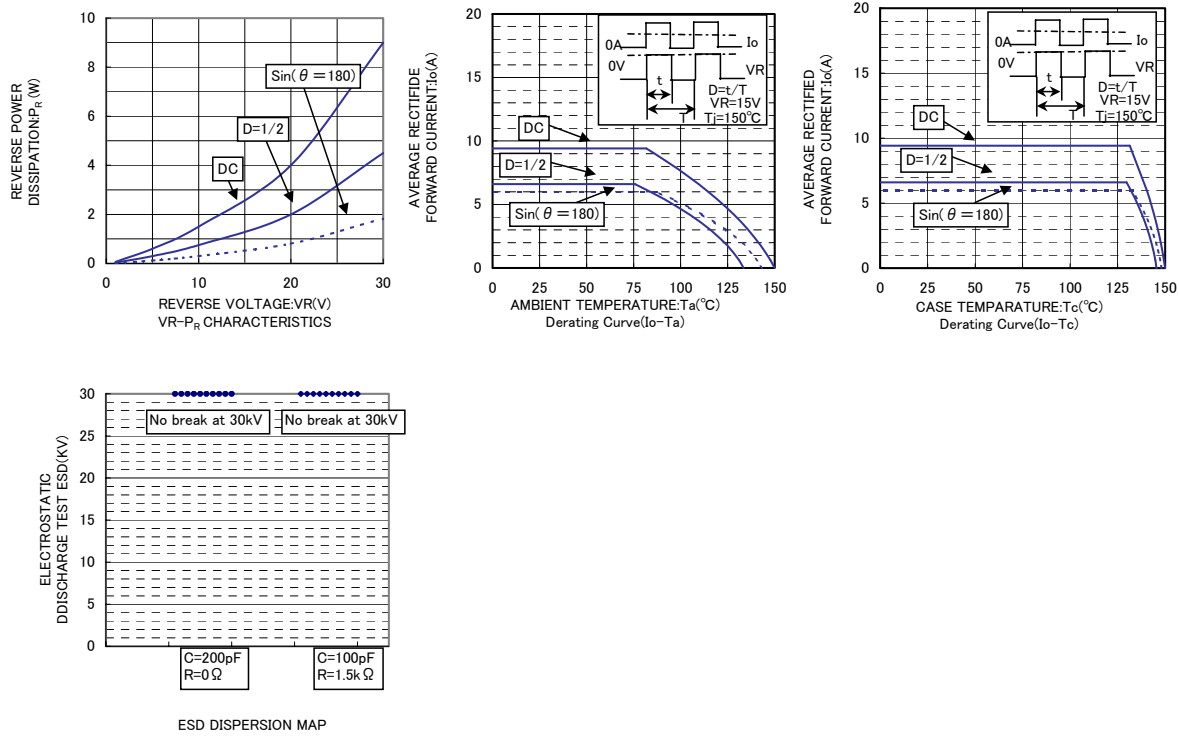
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.425	V	$I_F=3.0A$
Reverse current	I_R	-	-	200	μA	$V_R=30V$
Thermal impedance	θ_{jc}	-	-	6.0	$^{\circ}C/W$	junction to case

Diodes

●Electrical characteristic curves



Diodes



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